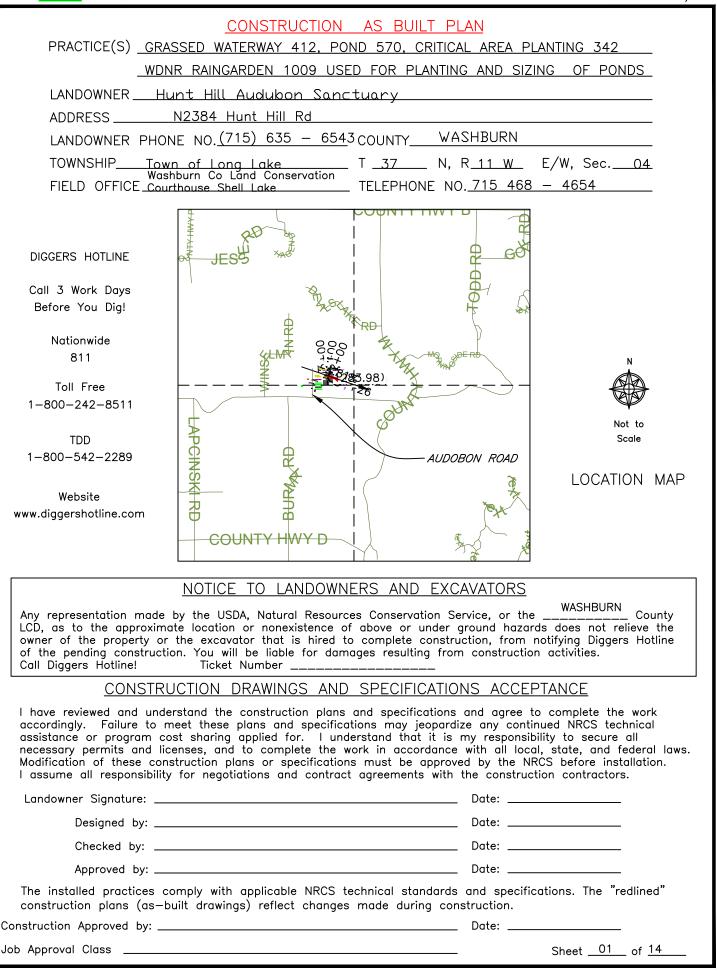


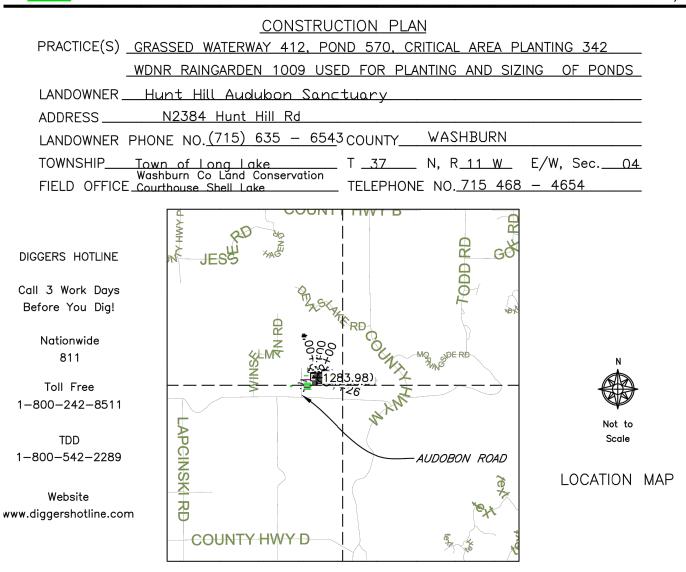
DRAWING NO. WI-001C





b Approval Class _

Sheet 01 of 14



NOTICE TO LANDOWNERS AND EXCAVATORS

Any representation made by the USDA, Natural Resources Conservation Service, or the ______County LCD, as to the approximate location or nonexistence of above or under ground hazards does not relieve the owner of the property or the excavator that is hired to complete construction, from notifying Diggers Hotline of the pending construction. You will be liable for damages resulting from construction activities.

CONSTRUCTION DRAWINGS AND SPECIFICATIONS ACCEPTANCE

I have reviewed and understand the construction plans and specifications and agree to complete the work accordingly. Failure to meet these plans and specifications may jeopardize any continued NRCS technical assistance or program cost sharing applied for. I understand that it is my responsibility to secure all necessary permits and licenses, and to complete the work in accordance with all local, state, and federal laws. Modification of these construction plans or specifications must be approved by the NRCS before installation. I assume all responsibility for negotiations and contract agreements with the construction contractors.

Landowner Signature:		Date:			
Designed by:		Date:			
Checked by: Pat	the Schud	Date:	05/16/2019		
			05/16/2019		
	with applicable NRCS technical standa rawings) reflect changes made during			The "redlin	neď
nstruction Approved by:		Date:			

ITEM	UNIT	QUANTITY	SHEET NUMBER	WI CONSTRUCTION SPEC. OR JOB SHEET NUMBER
GRADING & EXCAVATION	SQFT	30,000.0	29000	SEE TABLE FOR MORE DETAIL
GRAVEL (100% passing the	CUYDS			011 - ROCK AGGREGATE
1¼ inch sieve)	12.42.1	70.0	1	
TOPSOIL	CUYDS	140.0	1	026 - TOPSOILING
EROSION CONTROL MAT WOOT	SQ YDS		1	005 - POLLUTION CONTROL
CLASS I		1,500.0		AS IN PLAN TO CORRECT DEPTH
SEED MIX, IN PLAN OR LAWN	ACRES			WI-710 SEEDING ESTAB.
TYPE WAS GROWING AND COVERAGE WAS GO		0.2		
SEED MIX - NATIVE, HUNT	ACRES		1 Y	WI-710 SEEDING ESTAB.
HILL PURCHASE MIX,				
CONTRACTOR SEED YES		0.3		
NATIVE PLANT PLUGS (NOT A	UNIT			
BID ITEM HUNT HILL PURCHASE) Y <mark>ES</mark>		1,200.0	1054	
EROSION CONTROL MAT WDOT	SQ YDS		6	
CLASS II YES		220.0		-
VISUAL APPEARANCE MEETS SPEC	5			
MOBILIZATION	UNIT	1.0	(*	007 - MOBILIZATION
			6.7	
				-1

NOTE: CUT AND FILL REPORTS LISTED ON

Quantities are estimated to the neat lines and grades of in-place materials shown on the construction plan unless otherwise stated. Truck yardage, loose fill, shrinkage, etc., must be calculated and compensated for by the contractor preparing a bid or constructing the project.

United States Department of	ESTIMATED QUANTITIES		File Name WI-005A
Agriculture	HUNT HILL CLIENT:	Drawn	Date 08/14
Natural Resources Conservation Service	COUNTY:WASHBURN	Approved	Sheet 2 of 14

CONSTRUCTION NOTES

The work consists of grading and forming waterways that flow into three different detention ponds. These areas are the upper parking lot, the area alongside the learning center and the lower parking lot. On these the contractor will grade and excavate to the lines and grades within the plan. For the upper parking lot and lower parking lot portions these area will remain in gravel that will be formed into waterways that inlet into detention ponds. While some of the gravel will remain it is estimated that 30% additional gravel will need to be brought into so that there is a minimum depth of six inches of gravel. Within the ponds the plan gives finished grades and elevations. The contractors will need to excavate an additional 4 inches to make room for the topsoil. Once the topsoil and TYPE II erosion blanket has been placed staff from Hunt Hill will plant native plant plugs at a 15 inch spacing. Additional work consists of putting in a waterway alongside the coop and the area near the new shed. Excavate to accommodate for four inches of topsoil. A bottom portion of the waterway which is near the learning center will be planted with native plant plugs. This area is depicted on the plan. Staff from Hunt Hill will do this planting. The remaining portion of this waterway will be covered with erosion blanket and seeded using either the mix included in the plan or one that is designed for lawn establishment.

A new asphalt path is going to be installed starting at the upper parking lot running to the lower parking lot. The contractor will grade this area as depicted on the plan and this will include placing a minimum of four inches of compacted gravel as subgrade for the new asphalt path. The new path area where it runs alongside the learning center, the area alongside the building will be graded to slope into a waterway that will be constructed onto the north side of the new asphalt path. Again excavate to accommodate for four inches of topsoil. Once the topsoil has been placed, seed and cover with erosion control blanket. This waterway flows into another detention pond. Here the staff from Hunt Hill will plant native plant plugs as previously outlined for the other pond and native plant plugs area

The lower parking lot pond on larger storm events will overflow. An additional waterway will be constructed to accommodate these larger storm events to prevent the bank near the new shed from eroding. At the outlet of this waterway currently it has bare soils. This area will be seeded with a native plant seed mix and covered with erosion blanket. Currently at this area there is sufficient topsoil for this type of mix. Due to erosion additional topsoil may need to be brought in to provide a seedbed. The soil surface will need to be prepared for seeding. At the outlet of coop waterway there is a similar situation where the same steps will be taken.

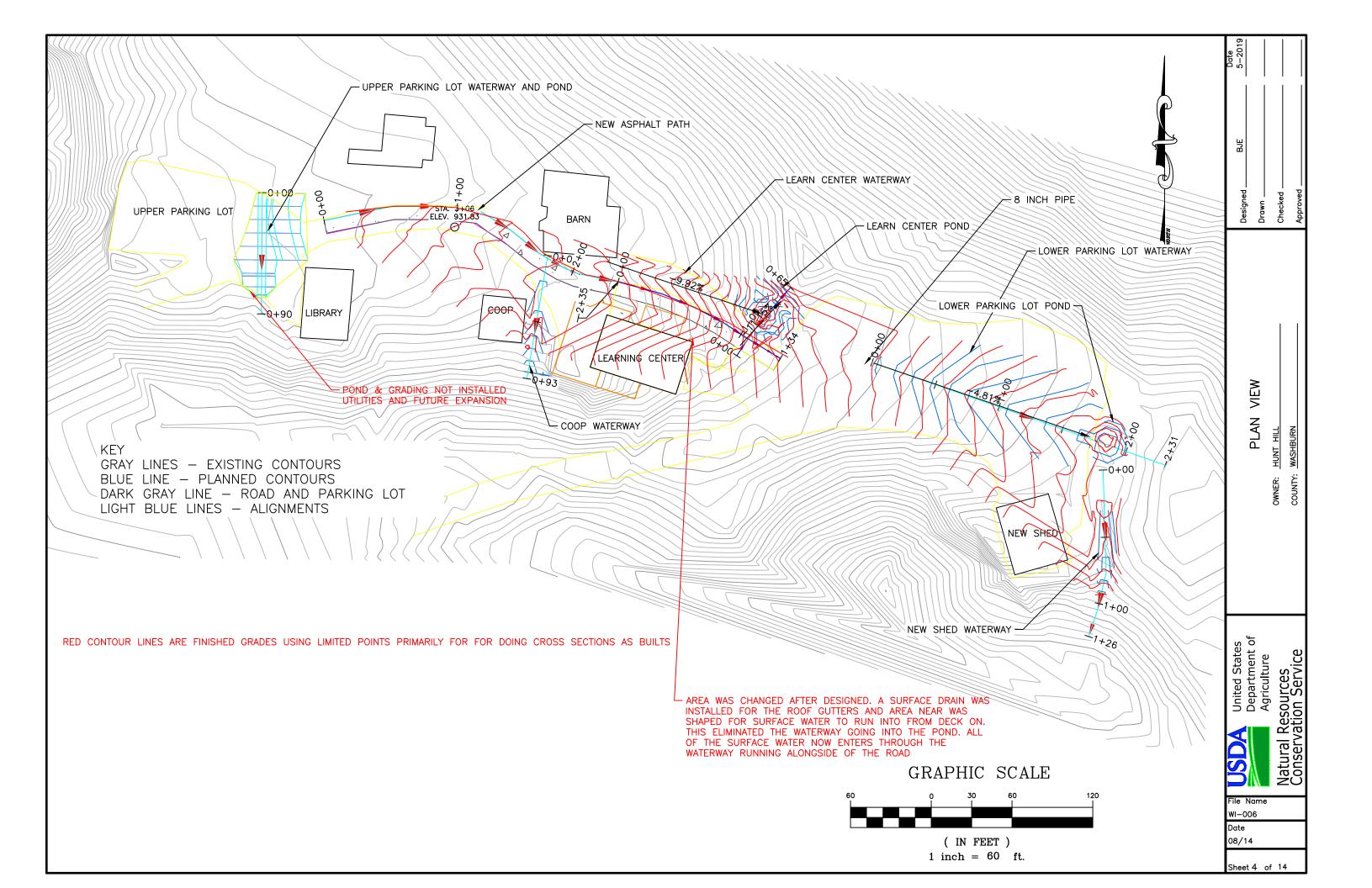
Note: Due to ongoing construction from survey, to design and then to installation the site is continually changing. The volume of needed materials changes as a result. On the volume of topsoil and erosion blanket. All affected areas needing topsoil to establish a seeding has been included in the volume unless specified. For gravel all affected areas where grading of the gravel is needed the volume was determined by taking affected area times the depth of 6 inches. This then was reduced to 30%.

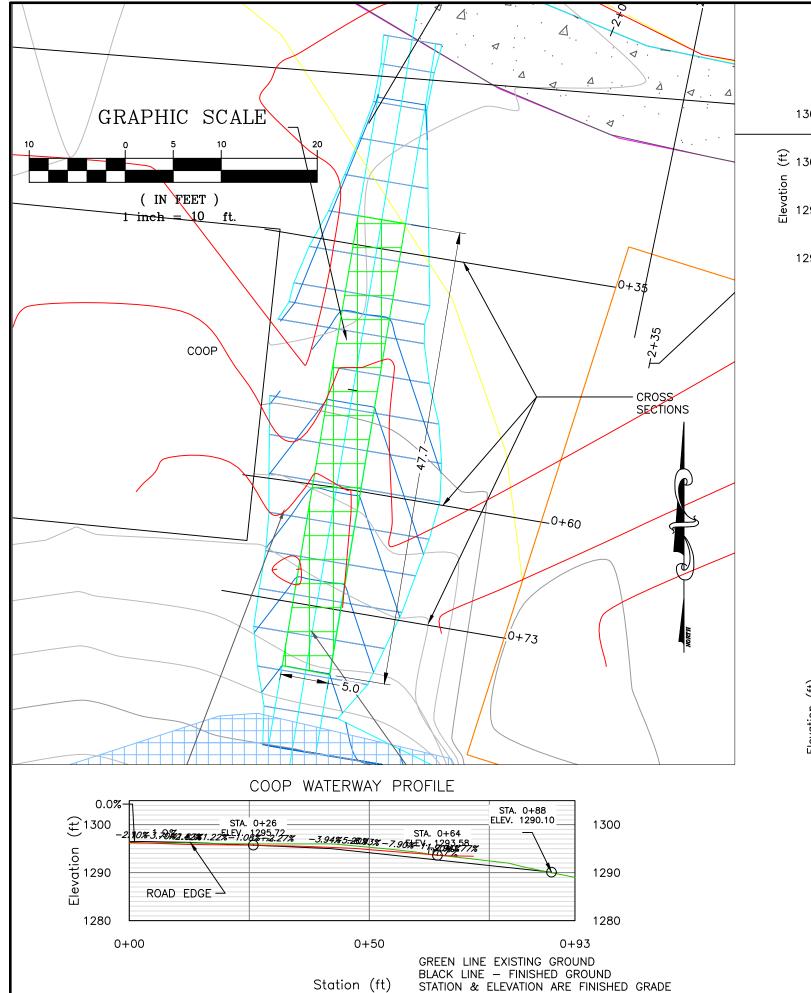
Hunt Hill will purchase the native seed mix and have available to the contractor. They will also purchase the native plant plugs and will plant them.

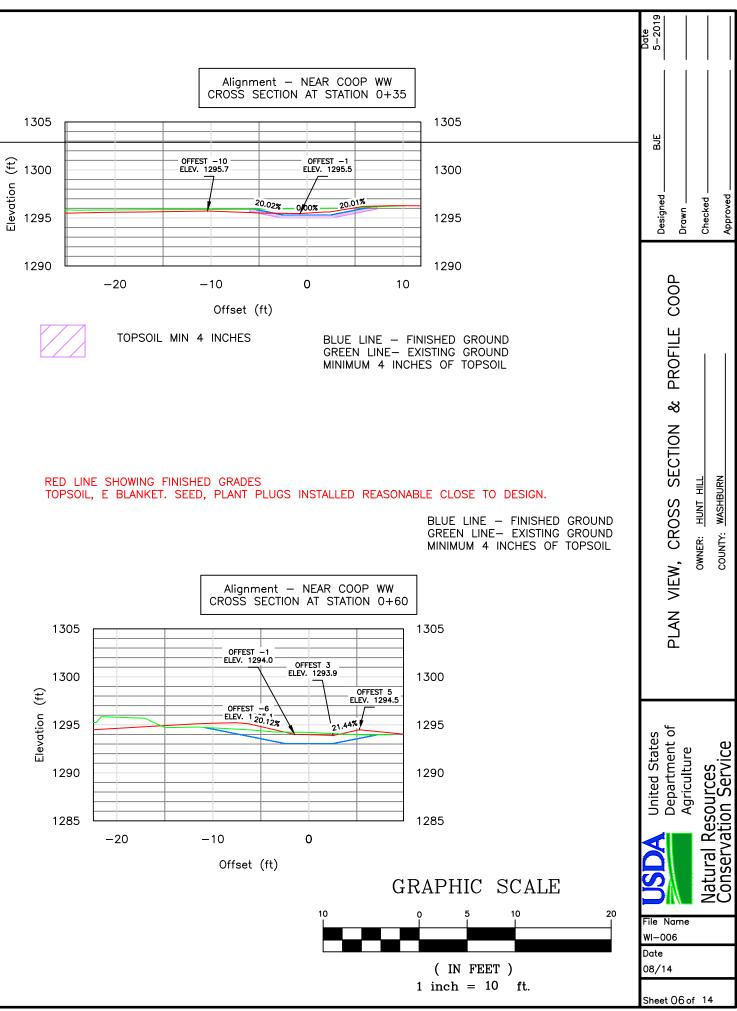
GENERAL GUIDLINES

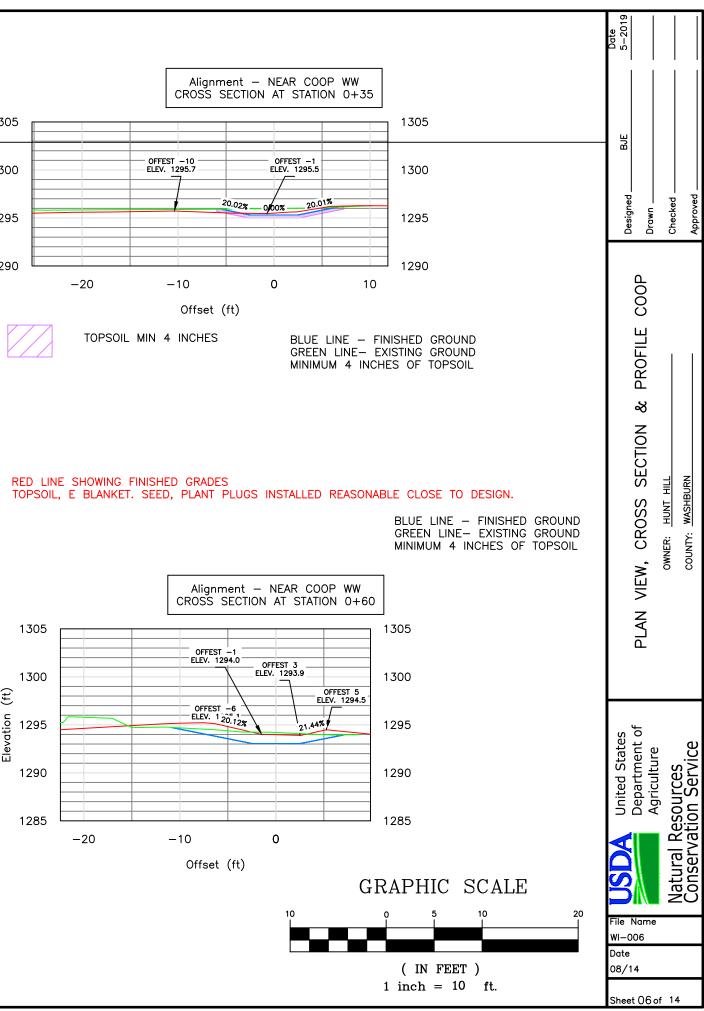
- 1. ALL UNDERGROUND HAZARDS AND UTILITIES MUST BE INVESTIGATED PRIOR TO CONSTRUCTION. NOTIFICATION OF EFFECTED UTILITY COMPANIES IS THE RESPONSIBILITY OF THE CONTRACTOR. CONTACT DIGGERS HOTLINE AT LEAST THREE DAYS PRIOR TO START OF CONSTRUCTION.
- 2. A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED WITH NRCS PERSONNEL, THE CONTRACTOR, AND THE LANDOWNER PRIOR TO CONSTRUCTION START-UP.
- 3. THE CONTRACTOR AND/OR LANDOWNER SHALL NOTIFY COUNTY LAND CONSERVATION EMPLOYEE AT LEAST 3 DAYS PRIOR TO START-UP OF CONSTRUCTION.
- 4. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH WISCONSIN NRCS CONSTRUCTION SPECIFICATIONS \setminus (ATTACHED TO THIS PLAN).
- 5. Staking and the placement of bench marks will be done by the Land Conservation Department (Brent Ø 715 468-4654). It is up the contractor to inform the them of there needs.

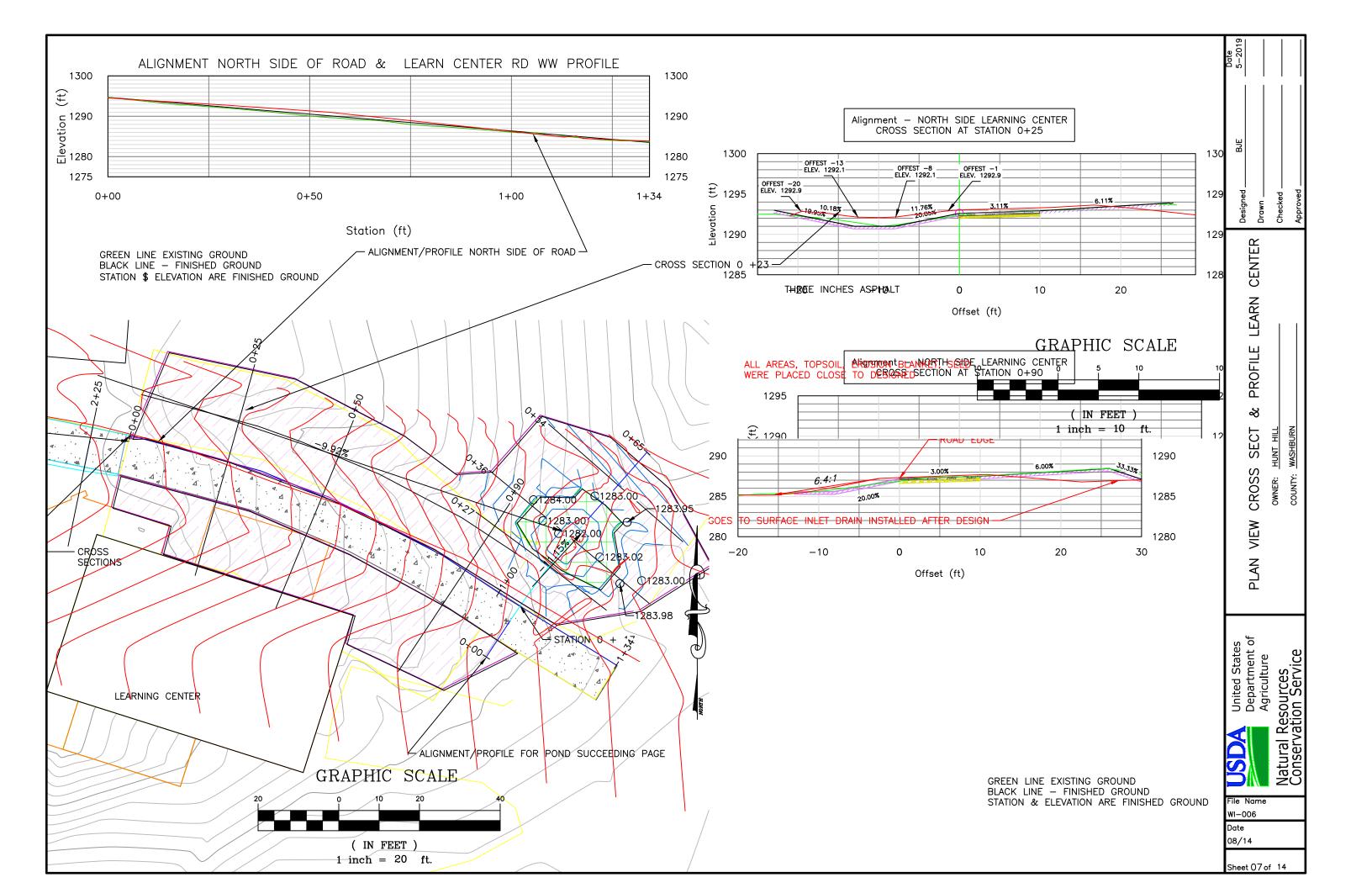
United States Department of	CONSTRUCTION NOTES	Date Designed BJE 5-2019	File Name
Agriculture	CLIENT: HUNT HILL	Drawn	Date 08/14
Natural Resources Conservation Service	COUNTY:WASHBURN	Approved	Sheet 03 of 14

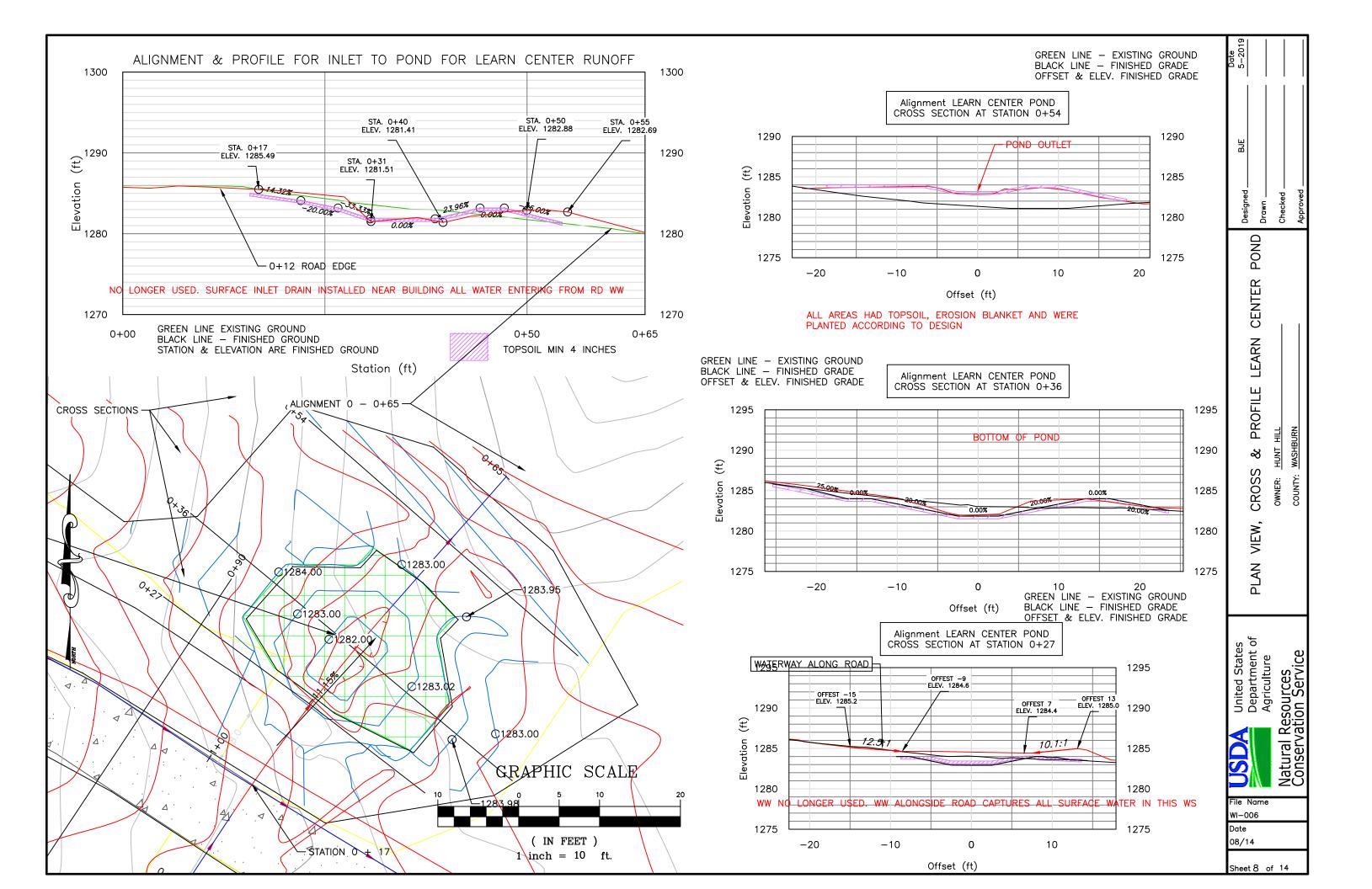


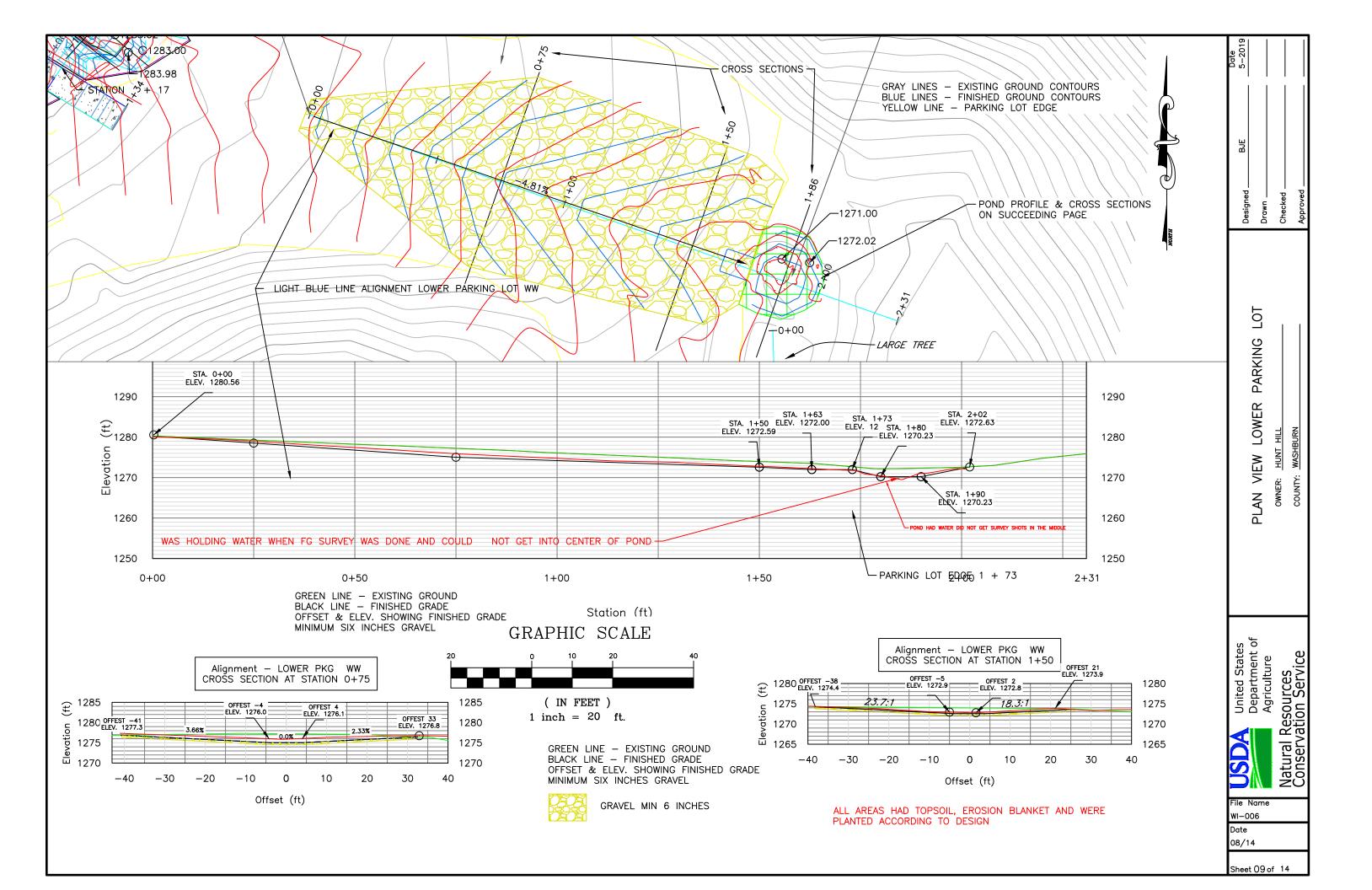


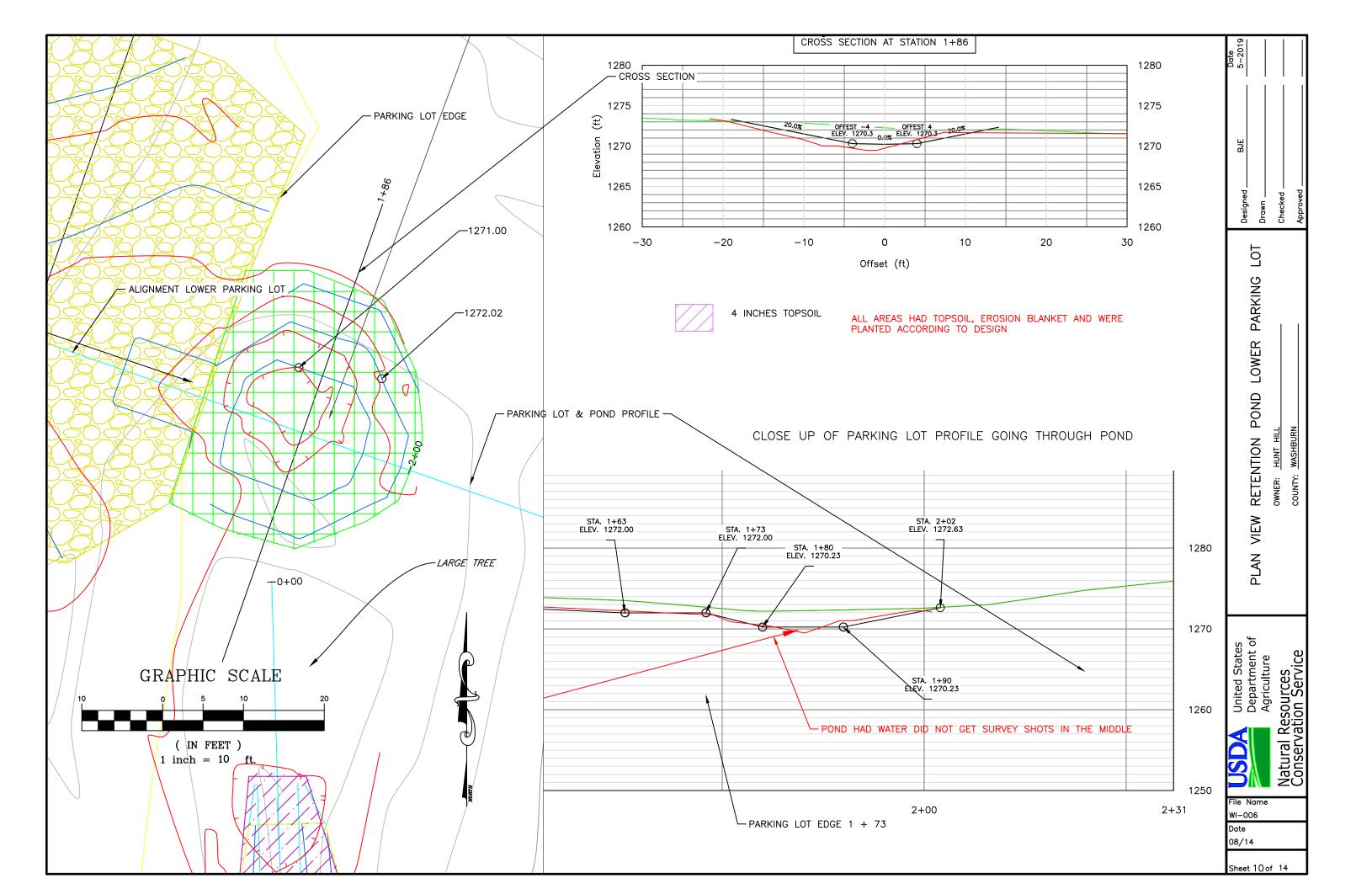


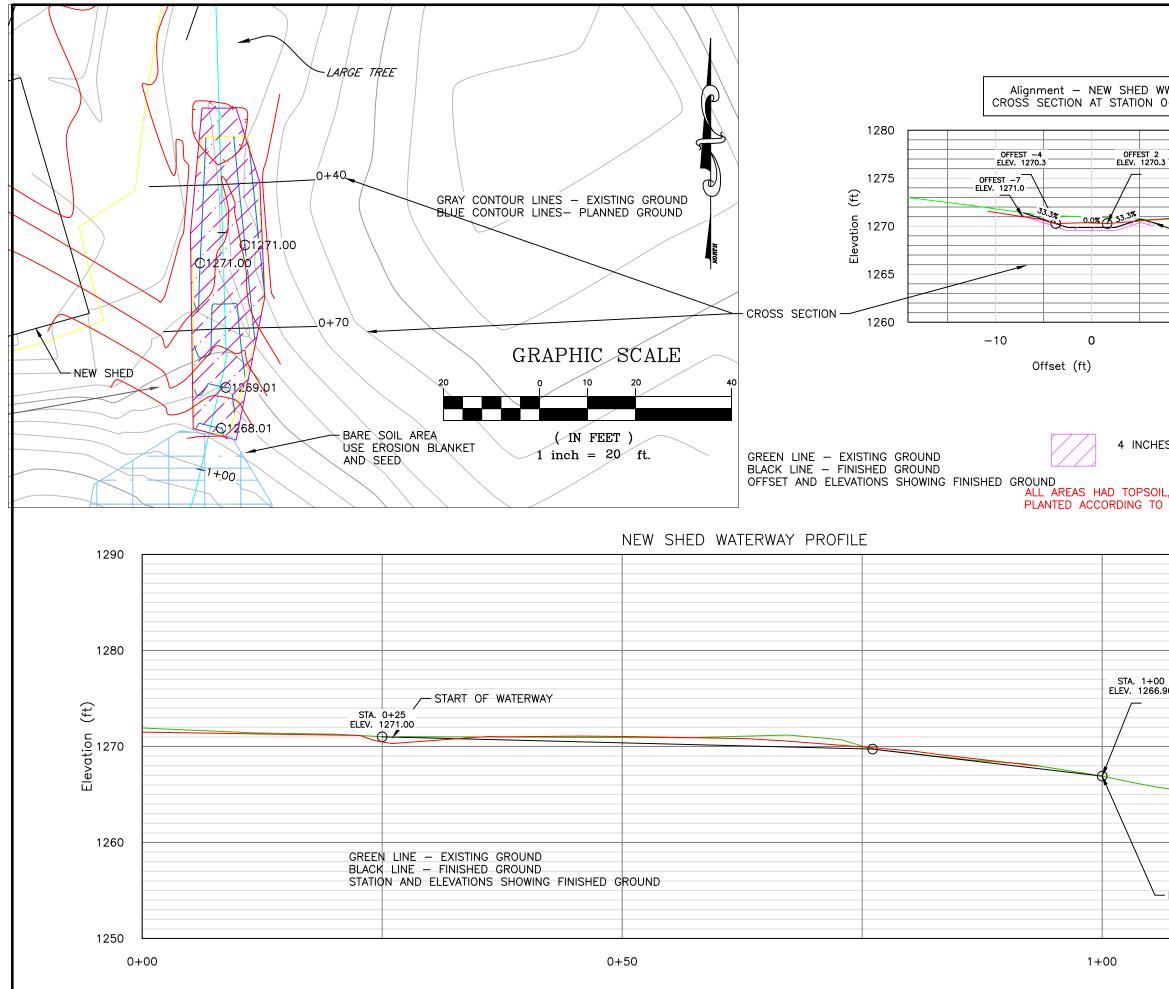




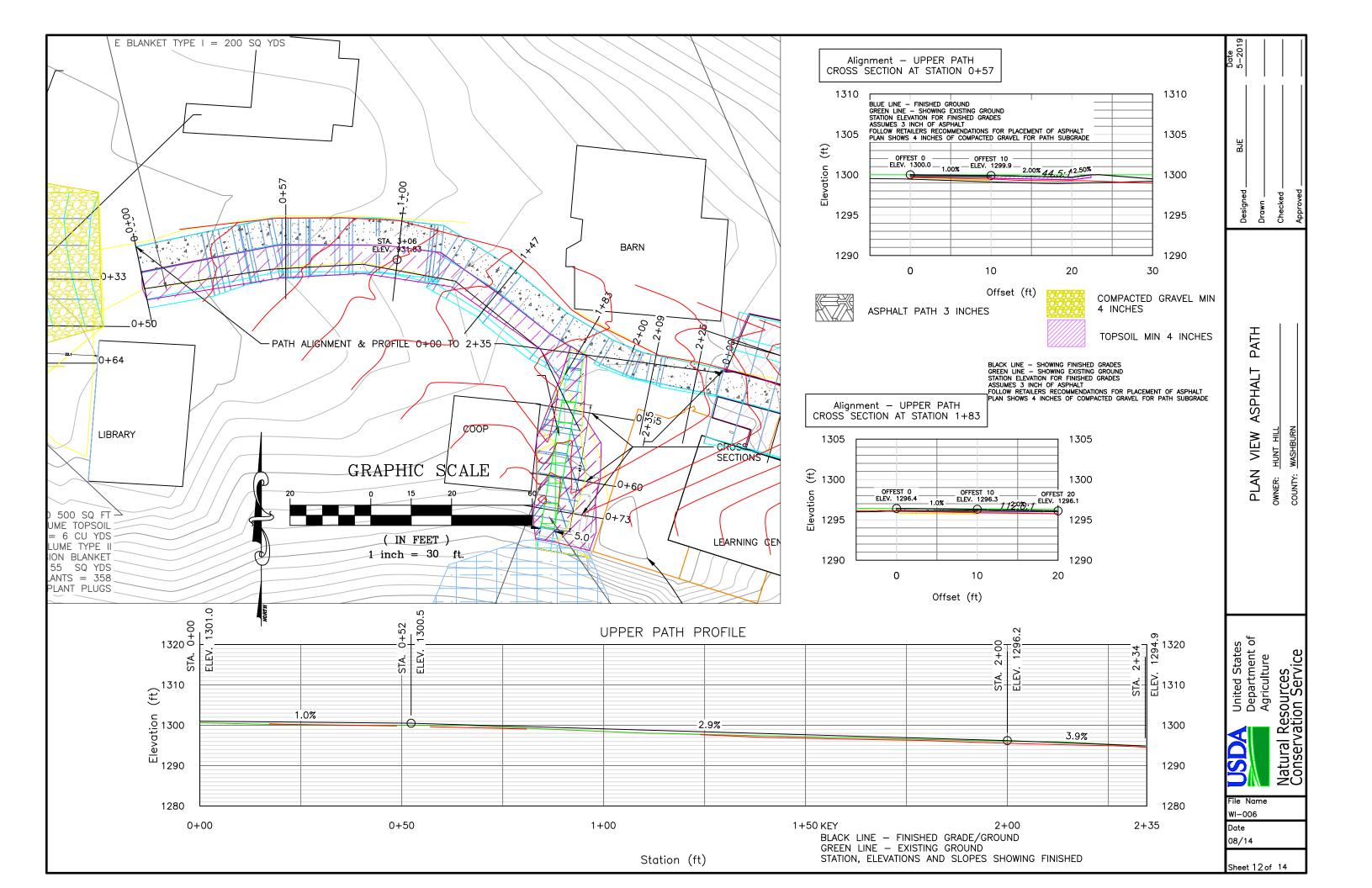








		Date 5-2019	
WW 0+70 1280 2 0.3 0FFEST 10 ELEV. 1271.0 1275 1270		DesignedBJE Drawn	Checked
PLUS OR MINUS 4:1 TO MEET EXISTING 1265 1260 10	G GRADE	PROFILE & CROSS SECTIONS NEW SHED WATERWAY	
HES TOPSOIL DIL, EROSION BLANKET AND WERE TO DESIGN	1290		COUNTY: WASHBURN
00 6.90	1280	PLAN VIEW	
	1270	United States Department of Agriculture	ources in Service
- END OF WATERWAY	1260	Vasn	Natural Resources Conservation Serv
1+2	1250 26	File Name WI-006 Date 08/14 Sheet 11 of	14



EEDING DATES		NORTH		
TIME PERIOD		DATES		TYPE OF SEEDING
Spring	May 1	through	June 15	Permanent
Summer	June 16	through	see W/1-7 10 ss pg 2	Temporary *
Late Summer	July 15	through	August 10	Permanent
Fall	August 11	through	166 W 1.7 10 1 1 p 2	Temporary *
Late Fall	November 1	through	Snow Cover	Dormant
Winter	Snow Cover	through	April 30	Not Allowed

MATERIALS

If no soil test is available, apply a minimum of 150 pounds of 20-10-10 fertilizer per acre. This is equivalent to 30 pounds nitrogen (N), 15 pounds phosphate (P205), and 15 pounds potash (K2O) per acre. Apply two tons of 80-89 lime or equivalent.

ANNUAL RYE

* Seed a temporary cover crop of Oats at 64 #/ac (2 bu/ac) A permanent seeding shall be completed during the next acceptable time period following

a temporary seeding.

DO NOT HAVE TAG, ASKED CONTRACTOR. SEEDING WAS VISIBLE & MINIMUM PURE LIVE SEED (PLS) TRATE PER ACRE AND TOTAL POUNDS OF SEED NEEDED

LOCATION:	ww & open	SEEDING MIX	LOCATION	
ACRES:	1.00	(AS-BUILT)	ACRES	
RATE	POUNDS	SPECIES	RATE	POUNDS
1.2	1.2		-	
12.0	12.0	1		
2.4	2.4			
2.4	2.4			
6.0	6.0			_
64.0	64.0			
	ACRES: RATE 1.2 12.0 2.4 2.4 6.0	RATE POUNDS 1.2 1.2 12.0 12.0 2.4 2.4 2.4 2.4 6.0 6.0	ACRES: 1.00 (AS-BUILT) RATE POUNDS SPECIES 1.2 1.2 .4 2.4 2.4 .4 6.0 6.0	ACRES: 1.00 (AS-BUILT) ACRES RATE POUNDS SPECIES RATE 1.2 1.2 12.0 12.0 2.4 2.4 6.0 6.0

110 . ** Companion Crop

Mulching Require No

AREA WAS COVERED WITH ROSION MAT

Total % Germination may also be termed Total % Viable Seed on a tag. If a tag only shows % Germination, the user must include percentage of the seed that germinated during the lab test (% Germination) plus the percentage of hard and/or dormant seed. Hard seed and dormant seed are seeds that are still capable of germinating and producing a plant but did not germinate under the conditions of the test in the lab.

Additional native seeds may be required by permitting agencies. These addition are allowed.

Seed mixture shall meet all requirements of the WI weed laws.

Species identified as restricted or prohibited by law shall not be planted.

Certified seed shall be used, and the seeding rates will be based on pure live seed.

For dormant seedings, increase the seeds per square foot by 15%.

SEEDBED PREPARATION

Seedbed preparation shall immediately follow construction activities.

Prepare a fine, firm seedbed to a minimum depth of three inches. A seedbed is considered firm when a footprint penetrates 1/4 to 1/2 inch deep.

USDA	United States Department of	INTRODUCED SPECIES SEEDING ESTABLISHMENT	Date Designed BJE 5-2019 Drawn	File Name WI—710 Date
	Agriculture	CLIENT: HUNT HILL	Checked	08/14
Natural Re Conservat	ion Service	COUNTY: WASHBURN	Approved	Sheet 14 of 14

SEEDING

Inoculate legumes with the specific inoculum for the species in accordance with the manufacturer's recommendations. When using a hydroseeder, five times the recommended rate of inoculant shall be added to the hydroseeder. Inoculant shall not be mixed with liquid fertilizer.

Seed may be broadcast or drilled as appropriate to the site. Seed, fertilize, and lime as soon as possible after construction. Seeding perpendicular to direction of flow is required to limit erosion.

Seed grasses and legumes no more than 1/4 inch deep.

Consider seeding at a lower rate and making 2 passes to ensure more uniform distribution.

TEMPORARY SEEDING OPTIONS

Select one of the following species for temporary cover if:

- 1) The required seeds or plant stock are not available or
 - the normal permanent seeding period for the species has passed Forage Sorghum - 1/2 bushel per acre (May 15-July 15) Sorghum - Sudangrass Hybrid - 1 bushel per acre (May 15-July 15) Sudangrass - 1 bushel per acre (May 15-July 15) Winter Wheat - 2 bushels per acre (Aug 1-Oct 1) Winter Cereal Rye - 2 bushels per acre (Aug 1-Oct 15) Oats - 2 bushels per acre (Apr 1-Sept 1) Annual Ryegrass - 20 Pounds per acre (Apr 1-Sept 1)
 - Triazine herbicide carryover will not allow establishment of permanent cover immediately. Forage Sorghum - 1/2 Bushel per acre (May 15-July 15) Sorghum - Sudangrass Hybrid - 1 Bushel per acre (May 15-July 15) Sudangrass - 1 Bushel per acre (May 15-July 15)

Mulching not required

DORMANT SEEDING

Seed is broadcast and incorporated, no-tilled, or drilled into the seedbed . Seedbed preparations and conditions are similar to conventional seeding.

MULCHING Mulching not required

USE FROSION BLANKET INSTEAD OF MULCH

US	DA

United States
Department of
Aariculture

Natural Resources	CLIENT:
Conservation Service	COUNTY:

	RODUCED SPECIES	BIE 5-2019	File Name WI—710
SEEI	DING ESTABLISHMENT	Drawn	Date
ENT:	HUNT HILL	Checked	08/14
UNTY: -	WASHBURN	Approved	Sheet 1.3 of 14

OPERATIONS AND MAINTENANCE PLAN

I agree to do the following for the next 25 years.

- 1. Repair any rills, gullies, or other erosion that occurs in the seeded area. Fill and compact these areas if necessary
- 2. During the first year of the seeding establishment growing season, waterway vegetation must be clipped by August 1 to allow seeded grasses to compete with weed species.
- 3. For Parking Lot area prevent ponding by grading to remove depressions and ruts.
- 4. Inspect roadside ditches, water-bars, and outlets after major runoff events and remove debris to restore flow capacity as needed.
- 5 Remove sediment deposits in waterways and inlet and outlet of ponds in the channel to maintain design capacity.
- 6. Repair rills or gullies in the exit channel of the spillway and reseed and mulch.
- 7. Maintain vegetative cover in the auxiliary spillway by removing and controlling weeds, trees, and woody plants.

Landowner's Signature

Date

	United States Department of Agriculture	OPERATIONS & MAINTENANCE PLAN		Designed	BJE	Date 5-2019	File Name	
			HUNT HILL	IN	Drawn	Date 08/14		
Natural Resources Conservation Service		CLIENT: _			Checked -			00/14
		COUNTY:	Y: WASHBURN					Sheet 1 of 1

<u>QUA</u>	LITY ASSURANCE PLAN	1							
/									
Verify that the landowner or contrac	tor notified all utilities prior	to construction. Document	DIGGERS						
HOTLINE Ticket Number: FL	AGS AND RED LINE SHOWING U	UTILITIES WERE VISIBLE							
Inspect EROSION CONTROL PRACTICES (silt fence, etc.) if they are called for in the plan. Document proper installation with photographs and diary notation.									
PHOTOGRAOHS TAKEN AN <u>SEED</u> /	D IN LANDOWNER'S FILE								
🗹 Document species and quantities of pure live seed. Attach seed tags or invoice.									
CONSTRUCTION IT WAS TURF SEED MIX. DON'T HAVE THE TAG BUT THESE SPECIES WERE VISIBLE.									
LAY OUT the practice according to Typically this would be setting stak along the centerline. If grade stal book.	es or flags at the start and	end, at drainage structures							
	nent in the job diary. OUSLY GRAVEL.	iately stockpiled prior to any	grading						
W/IN QC PLA Survey FINAL PROFILE AND CROSS- materials. Survey cross-sections be accurately checked. Verify:	SECTIONS of the practice afte								
Correct Grade - For road grade be									
Road Width -For this practice, the Side Slopes -For this practice, pla									
Final Length – Final length of the practice is369feet. Document the survey in the engineering field book.									
Document installed quantities (payment units) of the practices. Document all of the above with photographs, data in engineering field book and job diary.									
,									
United States Department of QUALITY	ASSURANCE PLAN	Date Designed <u>BJE 5-2019</u>	File Name						
Agriculture	HUNT HILL	Drawn	Date 08/14						
Natural ResourcesCLIENT:Conservation ServiceCOUNTY:	WASHBURN	CheckedApproved							
		·	Sheet 1 of 1						



